

*Amendments*

*In the Claims:*

Please substitute claim 54 provided below, for claim 54 of the application as previously presented. A marked-up version of claim 54, which shows all of the changes that have been made to the claim, is submitted herewith with additions underlined and deletions [bracketed].

54. (Amended) A method as recited in claim 52 wherein said spring force enables an isometric control mode, wherein an amount of penetration of the manipulandum against the spring force controls a speed of scrolling of a document displayed by said host computer.

*Please add new claims 67-79:*

--67. (New) A device, comprising:

a sensor configured to detect a movement of the sensor and to output a position signal, the position signal operative to update data values associated with a location of a cursor displayed on a graphical interface;

an actuator configured to output haptic feedback correlated with the location of the cursor displayed on the graphical interface; and

a button coupled to said actuator, the button configured to selectively modify the haptic feedback output by said actuator when the data values associated with the location of the cursor are associated with one of a graphical object and graphical region displayed on the graphical interface, the haptic feedback being representative of a resistive spring force opposing a movement of said cursor displayed on the graphical interface.

68. (New) The device of claim 67, further comprising:

an indexing button coupled to the actuator, said indexing button configured to enable an indexing mode.

69. (New) The device of claim 67, wherein the actuator is configured to be controlled by a local processor, the local processor configured to receive a control signal from a host computer coupled to the graphical interface.

70. (New) The device of claim 67, wherein the position signal is operative to scroll a document displayed on the graphical interface, a speed at which the document is scrolled being proportional to a magnitude of the haptic feedback.

71. (New) The device of claim 67, the button being a first button, the haptic feedback being a first haptic-feedback mode, the device further comprising:

a second button configured to actuate a second haptic-feedback mode.

72. (New) A method, comprising:

outputting a position signal, the position signal being correlated with a movement of a haptic-feedback device;

updating data values associated with a location of a cursor displayed on a graphical interface, the updating being based on the position signal;

outputting haptic feedback at the haptic-feedback device based on a feedback signal, the feedback signal being correlated with the data values associated with the location of the cursor corresponding to data values associated with one of a graphical object and graphical region displayed on the graphical interface; and

modifying the output of the haptic feedback using a button coupled to the haptic-feedback device.

73. (New) The method of claim 72, wherein the position signal is operative to scroll a document displayed on the graphical interface, a speed at which the document is scrolled being proportional to a magnitude of the haptic feedback.

74. (New) The method of claim 72, the haptic feedback being a first haptic feedback, the button being a first button, the method further comprising:

outputting a second haptic-feedback based on the feedback signal;

modifying the output of the second haptic-feedback using a second button coupled to the haptic-feedback device.

75. (New) The method of claim 74, wherein the outputting the second haptic-feedback includes outputting a texture.

76. (New) A device, comprising:

a sensor configured to detect a movement of the sensor and to output a position signal, the position signal operative to update data values associated with a location of a cursor displayed on a graphical interface;

an actuator configured to output haptic feedback correlated with the location of the cursor displayed on the graphical interface; and

a button coupled to said actuator, the button configured to selectively modify the haptic feedback output by said actuator when the data values associated with the location of the cursor are associated with one of a graphical object and graphical region displayed on the graphical interface, the haptic feedback being a first haptic-feedback when the button is in a first position and being a second haptic-feedback when the button is in a second position.

77. (New) The device of claim 76, wherein the first haptic-feedback is representative of a resistive spring force and the second haptic-feedback is representative of texture.